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FORM PTO-1449 (Modified)

ATTY DOCKET NO.

18805-81106

SERIAL NO.

09/880,138

List of Patents and Publications for  
Applicants Supplemental Information  
Disclosure Statement

APPLICANT: Hickman et al.

FILING DATE:

June 12, 2001

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1636

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OTHER ART (Including Author, title, Date, Pertinent Pages, Etc.)

17.	DS	Eggers, M.D. et al., <i>Electronically wired petri dish: A microfabricated interface to the biological neuron network</i> , <i>J. Vac. Sci. Technol. B</i> Vol. 8, No. 6 pp. 1392-1398 (1990).
18.	DS	Engel, J., <i>Laminins and other strange proteins</i> , <i>Biochemistry</i> 31(44):10643-51 (1992). ABSTRACT ONLY
19.	DS	Fraaije, J.G. et al., <i>Interfacial thermodynamics of protein adsorption and ion co-adsorption. III. Electrochemistry of bovine serum albumin adsorption on silver iodide</i> , <i>Biophys Chem.</i> 41(3):263-76 (1991). ABSTRACT ONLY
20.	DS	Fromherz, P. et al., <i>A neuron-silicon junction: a Retzius cell of the leech on an insulated-gate field-effect transistor</i> , <i>Science</i> 252(5010):1290-3 (1991). ABSTRACT ONLY
21.	DS	Georger, Jr. et al., <i>Coplanar patterns of self-assembled monolayers for selective cell adhesion and outgrowth</i> , <i>Thin Solid Films</i> 210/211 pp. 716-719 (1992).
22.	DS	Goodman, S.L. et al., <i>The effects of substrate-adsorbed albumin on platelet spreading</i> , <i>J. Biomater Sci Polym Ed</i> 2(2):147-59 (1991). ABSTRACT ONLY
23.	DS	Hickman, J. J. et al., <i>Rational pattern design for in vitro cellular networks using surface photochemistry</i> , <i>J. Vac. Sci Technol. A</i> , Vol. 12 No. 3, pp. 607-615 (1994).
24.	DS	Huettner, J.E. et al., <i>Primary culture of identified neurons from the visual cortex of postnatal rats</i> , <i>J. Neurosci</i> 6(10):3044-60 (1986). ABSTRACT ONLY
25.	DS	Hubbell, J.A. et al., <i>Endothelial cell-selective materials for tissue engineering in the vascular graft via a new receptor</i> , <i>Biotechnology</i> 9(6):568-72 (1991). ABSTRACT ONLY
26.	DS	Hughes, R. C. et al., <i>Chemical Microsensors</i> , <i>Science</i> Vol. 254 pp. 74-80 (1991).
27.	DS	Hynes, R.O. et al., <i>Contact and adhesive specificities in the associations, migrations, and targeting of cells and axons</i> , <i>Cell</i> Vol. 68 pp. 303-22 (1992).
28.	DS	Kleinfeld, D. et al., <i>Controlled outgrowth of dissociated neurons on patterned substrates</i> , <i>J. Neurosci</i> 8(11):4098-120 (1988). ABSTRACT ONLY
29.	DS	Lee, S.H. et al., <i>Adsorption of Proteins onto Polymeric Surfaces of Different Hydrophilicities - A Case Study with Bovine Serum Albumin</i> , <i>J. Colloid Interf.</i> Vol. 125 No. 2 pp. 365-379 (1988).
30.	DS	Leech D. et al., <i>Biomagnetic neurosensors</i> , <i>Anal Chem</i> 65(22):3262-6 (1993). ABSTRACT ONLY
31.	DS	Leonard, E.F. et al., <i>Is the Vroman effect of importance in the interaction of blood with artificial materials?</i> , <i>J. Biomater Sci Polym Ed</i> 3(1):95-107 (1991). ABSTRACT ONLY
32.	DS	Letourneau, P.C. et al., <i>Extracellular matrix and neurite outgrowth</i> , <i>Curr Opin Genet Dev</i> 2(4):625-34 (1992). ABSTRACT ONLY
33.	DS	Massia, S.P. et al., <i>An RGD spacing of 440 nm is sufficient for integrin alpha V beta 3-mediated fibroblast spreading and 140 nm for focal contact and stress fiber formation</i> , <i>J. Cell Biol</i> 114(5):1089-100 (1991). ABSTRACT ONLY
34.	DS	Parce, J.W. et al., <i>Detection of cell-affecting agents with a silicon biosensor</i> , <i>Science</i> 246(4927):243-7 (1989). ABSTRACT ONLY
35.	DS	Peterson, G.L., <i>A simplification of the protein assay method of Lowry et al. which is more generally applicable</i> , <i>Anal Biochem</i> Vol. 83 pp. 346-56 (1977).
36.	DS	Regehr, W.G. et al., <i>Sealing cultured invertebrate neurons to embedded dish electrodes facilitates long-term stimulation and recording</i> , <i>J. Neurosci Methods</i> 30(2):91-106 (1989). ABSTRACT ONLY
37.	DS	Romijn, H.J. et al., <i>Towards an improved serum-free, chemically defined medium for long-term culturing of cerebral cortex tissue</i> , <i>Neurosci Biobehav Rev</i> 8(3):301-34 (1984). ABSTRACT ONLY
38.	DS	Schaffner, A.E. et al., <i>Conditioned medium from cultures of embryonic neurons contains a high molecular weight factor which induces acetylcholine receptor aggregation on cultured myotubes</i> , <i>J. Neurosci</i> 2(5):623-32 (1982). ABSTRACT ONLY

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILED DATE
DS	5,077,210	12/31/91	Eigler et al.	435	176	

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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO

## OTHER ART (Including Author, title, Date, Pertinent Pages, Etc.)

1.	DS	Adinolfi, M. et al., Levels of plasma proteins in human and rat fetal CSF and the development of the blood-CSF barrier, <i>Neuropadiatrie</i> 8(4):345-53 (1977). ABSTRACT ONLY
2.	DS	Aizawa, M., <i>Immunosensors, Bioprocess. Technol.</i> Vol. 15 pp. 249-66 (1991).
3.	DS	Anderson, J.M. et al., Protein adsorption and cellular adhesion and activation on biomedical polymers, <i>Int J. Artif Organs</i> 13(6):375-82 (1990). ABSTRACT ONLY
4.	DS	Bain, C. D. et al., Correlations between Wettability and Structure in Monolayers of Alkanethiols Adsorbed on Gold, <i>J. Am. Chem. Soc.</i> Vol. 110 pp. 3665-3666 (1988).
5.	DS	Banker, G. A. et al., Rat hippocampal neurons in dispersed cell culture, <i>Brain Res.</i> 126(3):397-42 (1977). ABSTRACT ONLY
6.	DS	Barde, Y.A., Trophic factors and neuronal survival, <i>Neuron</i> Vol. 2 No. 6 pp. 1525-34 (1989).
7.	DS	Baszkin A. et al., Competitive adsorption of albumin against collagen at solution air and solution-polyethylene interfaces, <i>J. Biomed. Mater. Res.</i> 27(2):145-52 (1993). ABSTRACT ONLY
8.	DS	Bhatia S. K. et al., New Approach To Producing Patterned Biomolecular Assemblies, <i>J. Am. Chem. Soc.</i> Vol. 114 pp. 4432-4433 (1992).
9.	DS	Bhatia S.K. et al., Use of thiol-terminal silanes and heterobifunctional crosslinkers for immobilization of antibodies on silica surfaces, <i>Anal. Biochem.</i> 178(2):408-13 (1989). ABSTRACT ONLY
10.	DS	Blum, L. J. & Coulet P.R., <i>Biosensor Principles and Applications</i> (Marcel Dekker, Inc., New York) (1991)
11.	DS	Bonfield, T.L. et al., Protein adsorption of biomedical polymers influences activated monocytes to produce fibroblast stimulating factors, <i>J. Biomed Mater. Res.</i> 26(4):457-65 (1992). ABSTRACT ONLY
12.	DS	Brewer G. J. et al., Survival and growth of hippocampal neurons in defined medium at low density: advantages of a sandwich culture technique or low oxygen, <i>Brain Res.</i> 494(1):65-74 (1989). ABSTRACT ONLY
13.	DS	Briggs, M.P. and Seah M.P., <i>Practical Surface Analysis by Auger and X-ray Photoelectron Spectroscopy</i> 2 <sup>nd</sup> Ed. pp. 87-140 (John Wiley & Sons: New York) (1992).
14.	DS	Decher, G. & Schmitt, J., Fine tuning of the film thickness of ultrathin multilayer films composed of consecutively alternating layer of anionic and cationic polyelectrolytes <i>Progress in Colloid &amp; Polymer Science</i> Vol. 89 pp. 160-164 (1992).
15.	DS	Dziegielewska, K. M. et al., Proteins in cerebrospinal fluid and plasma of fetal rats during development, <i>Dev. Biol.</i> Vol. 83 pp. 193-200 (1981).
16.	DS	Edelman, P.G., and Wang, J., <i>Biosensors and chemical sensors. ACS Symposium Series 487.</i> (1991)

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39.	Schaffner, A.E. et al., <i>Fluorescence-activated cell sorting of embryonic mouse and rat motoneurons and the long-term survival in vitro</i> , <u>J. Neurosci</u> 7(10):3088-104 (1987). ABSTRACT ONLY
40.	Schaffner, A.E. et al., <i>Investigation of the factors necessary for growth of hippocampal neurons in a defined system</i> , <u>J. Neurosci Methods</u> 62(1-2):111-9 (1995). ABSTRACT ONLY
41.	Solsky, R.L. et al., <i>Ion-selective electrodes</i> , <u>Anal Chem</u> Vol. 60 pp. 106R-113R (1988).
42.	Spargo, B.J. et al., <i>Spatially controlled adhesion, spreading, and differentiation of endothelial cells on self-assembled molecular monolayers</i> , <u>Proc Natl Acad Sci U S A</u> 91(23):11070-4 (1994). ABSTRACT ONLY
43.	Stenger, D. A. et al., <i>Coplanar Molecular Assemblies of Amino- and Perfluorinated Alkylsilanes: Characterization and Geometric Definition of Mammalian Cell Adhesion and Growth</i> <u>J. Am. Chem. Soc.</u> Vol. 114 pp. 8435-8442 (1992).
44.	Stenger, D.A. et al., <i>Surface determinants of neuronal survival and growth on self-assembled monolayers in culture</i> , <u>Brain Res</u> 630(1-2):136-47 (1993). ABSTRACT ONLY
45.	Thoenen, H., <i>The changing scene of neurotrophic factors</i> , <u>Trends Neurosci</u> 14(5):165-70 (1991). ABSTRACT ONLY
46.	van Loosdrecht, M.C. et al., <i>Influence of interfaces on microbial activity</i> , <u>Microbiol. Rev.</u> 54(1):75-87 (1990) ABSTRACT ONLY
47.	Ziats, N.P. et al., <i>In vitro and in vivo interactions of cells with biomaterials</i> , <u>Biomaterials</u> 9(1):5-13 (1988). ABSTRACT ONLY

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